



Atoms for Peace

الوكالة الدولية للطاقة الذرية
国际原子能机构
International Atomic Energy Agency
Agence internationale de l'énergie atomique
Международное агентство по атомной энергии
Organismo Internacional de Energía Atómica

National Liaison Officer

Vienna International Centre, PO Box 100, 1400 Vienna, Austria
Phone: (+43 1) 2600 • Fax: (+43 1) 26007
Email: Official.Mail@iaea.org • Internet: <http://www.iaea.org>

In reply please refer to: RER/7/008 9006 01
Dial directly to extension: (+431) 2600-22340

2017-03-01

Subject: Invitation to the ALMERA (Analytical Laboratories for the Measurement of Environmental Radioactivity) Regional Workshop on In Situ Methods for Contaminated Site Characterization, Kurchatov, Kazakhstan, 22-26 May 2017

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned workshop which is being organized by the IAEA Department of Nuclear Sciences and Applications, Terrestrial Environment Laboratory. The Technical Cooperation Department will support some participants from Member States taking part in Project RER/7/008 – Strengthening Capabilities for Radionuclide Measurement in the Environment and Enhancing QA/QC System for Environmental Radioactivity Monitoring. The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Kurchatov, Kazakhstan and provide Daily Subsistence Allowance (DSA) for the duration of the workshop in line with IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Carmina Jimenez Velasco (IAEA Official E-Mail Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **31 March 2017**.

Yours sincerely,

Martin Krause
Director
Division for Europe
Department of Technical Cooperation

Enclosure: Prospectus



ALMERA (Analytical Laboratories for the Measurement of Environmental Radioactivity) Regional Workshop on In Situ Methods for Contaminated Site Characterization

PROSPECTUS

- Project Number & Title:** RER/7/008 – Strengthening Capabilities for Radionuclide Measurement in the Environment and Enhancing QA/QC System for Environmental Radioactivity Monitoring.
- Place (City, Country):** Kurchatov, Kazakhstan
- Dates:** 22-26 May 2017
- Deadline for Nominations:** 31 March 2017
- Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Kazakhstan through the National Nuclear Center of the Republic of Kazakhstan
- Host Country Organizer:** Mr Sergey Lukashenko
National Nuclear Center of the Republic of Kazakhstan
St. Krasnoarmeyskaya, 2 buil.54 B
KURCHATOV
071100 KAZAKHSTAN
Tel.: +722-51 2-33-33
Email: lukashenko@ncc.kz
- Language:** English
- Purpose:** The objective of the workshop is to increase knowledge and to exchange best practices and professional experience on in-situ radioanalytical techniques used in emergency and site characterisation for the identification and inventory assessment of gamma ray emitting radionuclides, the determination of the extend of contaminated sites, the estimation of surface contamination on objects and dose-rate measurement.

Expected Outputs:

The expected outputs of the workshop are:

- Increased capabilities to monitor radionuclides in terrestrial and aquatic environments;
- Participants able to perform in-situ techniques of measurement, evaluate and interpret their results;
- Participants enabled to design and carry out related quality control activities;
- Opportunity for participants to learn and to practice in a strictly controlled radioprotection context to carry out sampling and measurements on contaminated sites and therefore to increase safety in their future work in such conditions;
- Knowledge of how to establish a control station at the perimeter of the contaminated area.

Scope and Nature:

The workshop will consist of both technical lectures and on-the-job training including measurements on contaminated sites under the guidance of experienced participants and local staff.

Over the one-week period the following topics will be addressed:

- In-situ gamma-ray spectrometry;
- Route monitoring including both vehicle-based and back-pack systems;
- Determination of surface contamination of soil and external contamination of individuals exposed to contaminated sites;
- Dose-rate determination at dedicated points;
- Quality assurance activity when applicable;
- Interpretation of measurement results.

Background Information:

ALMERA (Analytical Laboratories for the Measurement of Environmental Radioactivity) is a worldwide network of analytical laboratories, established by the IAEA. Through methodological and data quality support received from the IAEA and collaborative method development and validation, ALMERA member laboratories are able to provide internationally acceptable radioanalytical data in normal situations as well as in case of accidental or intentional releases of radioactivity, as requested by their nominating authorities.

The overall objective of the regional project RER/7/008 is to further develop the capabilities for source and environmental monitoring and to improve quality assurance for measurement and monitoring of radioactivity in the environment, in accordance with ISO 17025:2005, in order to ensure future metrological comparability of measurement results and to harmonize approaches and procedures at regional level. The expected project outcome is an increased regional capability for monitoring radionuclides in the terrestrial and aquatic environments. This is consistent with the capacity building activities supporting ALMERA laboratories to prepare for providing a timely and reliable response in case of nuclear or radiological emergency.

Participation: This workshop is open to participants from Member States taking part in the RER/7/008 project and to staff of ALMERA network member laboratories. The selection of the candidate will be based on the qualification criteria stated below. Therefore, candidates are encouraged to provide the necessary information to prove their professional competencies.

All participants wishing to attend the workshop should be nominated by their Government (Ministry of Foreign Affairs or National Atomic Energy Authority).

Participants' Qualifications: University degree in physics or chemistry, demonstrated experience in radioanalytical techniques and/or in monitoring of environmental radioactivity. The basic knowledge of gamma ray spectrometry is considered an asset.

The practical exercises are planned assuming a ratio of 1:4 between experienced participants and beginners. In your application therefore please indicate whether you are experienced or a beginner in the in situ measurements.

Nomination Procedure: Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Carmina Jimenez Velasco (IAEA Official Fax: +43-1-26007 or E-Mail Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **31 March 2017**.

Administrative and Financial Arrangements: Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Kurchatov, Kazakhstan, and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated workshop materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the workshop do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the workshop, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.